

SAI CHERISH POTLURI

spotlur8@asu.edu | [LinkedIn](#) | [GitHub](#) | [Portfolio](#) | 408-207-6017

EDUCATION

Master of Science in Computer Science **Aug 2021 - May 2023**

Arizona State University | Tempe, Arizona **3.7/4 GPA**

Coursework: Foundations of Algorithms, **Software Quality Management**, Data Mining, Mobile Computing

Bachelor of Technology in Computer Science **Jun 2016 - Jun 2020**

Gandhi Institute of Technology and Management | India **8.3/10 GPA**

Coursework: **Object-oriented Design(Java)**, Distributed Systems, **Data Structures and Algorithms**, Linear programming, Discrete Mathematics, **Optimization Techniques**

WORK EXPERIENCE

Trainee Decision Scientist | Mu Sigma | Bangalore, India **Aug 2020 - Oct 2020**

- Coordinated with a team of **5** to clean, analyze, and visualize a large E-Commerce firm's dataset using **python** and **exploratory data analysis (EDA)**.
- Eradicated disparate product demands by establishing an effective inventory policy using **Machine Learning** overcoming business challenges like re-stocking.
- Doubled the efficiency by categorizing products based on demand, using **KNN clustering** algorithm, dividing the products into high-demand and low-demand clusters.
- Enabled clients better understand the trends by generating visualization reports using Tableau.

Software Development Engineer Intern | SmartBridge | Hyderabad, India **Apr 2019 - Jun 2019**

- Designed and developed a fully scalable web application using **MERN** stack for a mobility service provider, capable of handling records of over **2 million** on an average stored on a relational database.
- Proposed an accurate prediction algorithm using the XGBoost data model for predicting fare amounts.
- Achieved an accuracy of **80%** by training the model over a large dataset of **4 million** records.

SKILLS AND TECHNOLOGIES

Languages: C/C++, Java, JavaScript, Python, Spark, SQL, HTML5, CSS

Frameworks and Databases: Spring, Node, Django, Flask, PostgreSQL, MySQL, MongoDB

Others: Linux, **Git**, Windows, VS Code, Agile and SDLC Methodologies, MS Excel, Tableau, REST API

PROJECTS

Knowledge Extraction from Context Sensors **Jun 2022**

- Collaborated with a team of five in developing an android application to record videos and extract information using **knowledge recovery algorithm**.
- Increased efficiency up to **80%** by automating the process of capturing a video, uploading it to the **Node.js** server and extracting it frame by frame.
- Predicted the gestures accurately using the **Cosine similarity** on a database of **Deaf Tec** gesture videos producing high accuracy.

Web Application Development **May 2022**

- Built a full stack web application capable of forecasting weather using **React** and **Node**.
- Accurately fetched weather information up to 7 days in advance by implementing **OpenWeatherAPI**.
- Incorporated **GeoDB API** enabling auto-search location feature, suggesting list of location as user types.

ACHIEVEMENTS

AWS Certified Cloud Practitioner **Aug 2022**

- Explored cloud computing concepts, by working on cloud services provided by Amazon such as **S3**, **Lambda**, **Elastic Cloud Compute**, and developed an understanding of Amazon's **cloud architecture**, its design principles and how cloud computing compares to on-premises.